

## EAST Search History

S59	12456	((Failure or problem) near power ).ab.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/12/07 11:59
S60	22	S58 and S59	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/12/07 12:02
S61	46244	"358".clas.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/12/07 12:03
S62	15	S59 and S61	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/12/07 12:03
S63	885	714/15.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/23 16:41
S64	2116	(write or store) adj4 (validate or verify)	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/23 16:40
S65	4	S63 and S64	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/23 16:41
S66	801	714/15.ccls.	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/23 16:41
S67	92	S66 and (reconstruct or rebuild)	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/23 17:27
S68	0	" reduce data rebuild time "	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/23 17:29
S69	6	" reduce rebuild time "	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/23 19:35
S70	13	("20020095616"   "20030145270"   "20030163777"   "5101492"   "5130992"   "5271012"   "5774643"   "5809224"   "5961652"   "6058489"   "6161192"   "6269453"   "6499039").PN. OR ("6898668").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/02/23 17:32
S71	10	("5608865"   "5664090"   "5828569"   "5848128"   "5974114"   "6085333"   "6189112"   "6202067"   "6205557"   "6308286").PN. OR ("6618819").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/02/23 18:10
S72	2	"6901533"	US-PGPUB; USPAT; USOCR	OR	ON	2006/02/23 18:10

## EAST Search History

S73	6	("20020035590"   "20020145983"   "5923833"   "6389551"   "6490693"   "6901533").PN. OR ("6990608").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/02/23 18:18
S74	1	"6618819"	US-PGPUB; USPAT; USOCR	OR	ON	2006/02/23 18:19
S75	5	"6516425"	US-PGPUB; USPAT; USOCR	OR	ON	2006/02/23 18:20
S76	2	("6516425").PN.	US-PGPUB; USPAT; USOCR; JPO; DERWENT; IBM_TDB	OR	OFF	2006/02/23 18:20
S77	10	("20020059539"   "5522031"   "5701407"   "6000039"   "6223300"   "RE36846").PN. OR ("6516425").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/02/23 18:21
S78	12	("4092732"   "4761785"   "4775978"   "4855907"   "4870643"   "5101492"   "5179704"   "5195100"   "5208813").PN. OR ("RE36846").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/02/23 18:28
S79	11	("5265098"   "5479653"   "5485571"   "5689678"   "5941994"   "5959860"   "6079029"   "6092215"   "6154853"   "6609213"   "RE36846").PN. OR ("6976187").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/02/23 18:33
S80	10	("20020059539"   "5522031"   "5701407"   "6000039"   "6223300"   "RE36846").PN. OR ("6516425").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/02/23 18:39
S81	25	("4464747"   "4870643"   "4942579"   "5208813"   "5233618"   "5321703"   "5390187"   "5495572"   "5522031"   "5564116"   "5649093"   "5889938").PN. OR ("6000039").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/02/23 19:07
S82	2	("6618819").PN.	US-PGPUB; USPAT; USOCR; JPO; DERWENT; IBM_TDB	OR	OFF	2006/02/23 19:08
S83	4	("6901533").PN.	US-PGPUB; USPAT; USOCR; JPO; DERWENT; IBM_TDB	OR	OFF	2006/02/23 19:08
S84	11	("5133053"   "5222217"   "5459864"   "5465328"   "5621884"   "5680539"   "5907673"   "6078944"   "6253212"   "6353834").PN. OR ("6901533").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/02/23 19:08
S85	17	("5072368"   "5278838"   "5446855"   "5537566"   "5542062").PN. OR ("5680539").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/02/23 19:11
S86	45	"5258984"	US-PGPUB; USPAT; USOCR	OR	ON	2006/02/23 19:12
S87	2	("5258984").PN.	US-PGPUB; USPAT; USOCR; JPO; DERWENT; IBM_TDB	OR	OFF	2006/02/23 19:12

## EAST Search History

S88	44	("5195100"   "5208813").PN. OR ("5258984").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/02/23 19:26
S89	2	("5412661").PN.	US-PGPUB; USPAT; USOCR; JPO; DERWENT; IBM_TDB	OR	OFF	2006/02/23 19:26
S90	36	("3725864"   "4993030"   "5148432"   "5303244").PN. OR ("5412661").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/02/23 19:32
S91	2	("0527838").PN.	US-PGPUB; USPAT; USOCR; JPO; DERWENT; IBM_TDB	OR	OFF	2006/02/23 19:33
S92	2	("5278838").PN.	US-PGPUB; USPAT; USOCR; JPO; DERWENT; IBM_TDB	OR	OFF	2006/02/23 19:33
S93	2	("5315602").PN.	US-PGPUB; USPAT; USOCR; JPO; DERWENT; IBM_TDB	OR	OFF	2006/02/23 19:34
S94	2	("5305326").PN.	US-PGPUB; USPAT; USOCR; JPO; DERWENT; IBM_TDB	OR	OFF	2006/02/23 19:34
S95	2	("5233618").PN.	US-PGPUB; USPAT; USOCR; JPO; DERWENT; IBM_TDB	OR	OFF	2006/02/23 19:35
S96	1	" reduce rebuild time " AND 714/6.CCLS.	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/23 19:35
S97	26	("5155845"   "5206939"   "5263145"   "5269011"   "5611069"   "5742792"   "5812753"   "5892915"   "5893140"   "6041366"   "6076143"   "6098119"   "6115788").PN. OR ("6397292").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/02/23 19:36
S98	1685	714/6.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/24 17:28
S99	1349	714/6.ccls.	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/24 17:28

## EAST Search History

S10 0	89792	714/6.ccls. (reconstruct\$4 or rebuild\$4)	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/24 17:29
S10 1	467	S99 and (reconstruct\$4 or rebuild\$4)	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/24 17:30
S10 2	459	S101 and storage	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/24 17:30
S10 3	276	S101 and storage.ab.	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/24 17:30
S10 4	33	S103 and validat\$4	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/24 17:30
S10 5	22	("5090014"   "5371882"   "5410439"   "5633767"   "5727144"   "5973870"   "6223252").PN. OR ("6598174").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/02/24 17:40
S10 6	13	("5089958"   "5269011"   "5485608"   "5530850"   "5544347"   "5555371"   "5604662"   "5604862"   "5673381"   "5742792"   "6202135").PN. OR ("6397309").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/02/24 18:00
S10 7	21	("5195100"   "5305326"   "5463765"   "5537567"   "5640506"   "5644767"   "5737344").PN. OR ("5889934").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/02/24 18:04
S10 8	8	("5220569"   "5392290"   "5644767"   "5751733"   "5872800"   "5889934"   "6061194"   "6192484").PN. OR ("6687850").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/02/24 18:06
S10 9	46	("5088081"   "5124987"   "5278838"   "5309451"   "5315602").PN. OR ("5463765").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/02/24 18:15
S11 0	32	("5195100"   "5208813"   "5233618"   "5235601"   "5301297"   "5303244"   "5345565"   "5388013"   "5390187"   "5390327"   "5412661"   "5455834"   "5459853"   "5463765"   "5469453"   "5475697"   "5504858"   "5506979"   "5522031"   "5528755"   "5581690"   "5615335"   "5621882"   "5640506"   "5778167").PN. OR ("5951691").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/02/24 18:23
S11 1	34	("4611314"   "4682328"   "4697266"   "4775978"   "4791622"   "4817004"   "4845632"   "4942579"   "4949326"   "4989206"   "5072378"   "5077736"   "5101492"   "5109505"   "5138710"   "5148432"   "5166936"   "5195100"   "5201044"   "5208813"   "5255270"   "5313585"   "5313626"   "5335235"   "5341493"   "5379411"   "5438575").PN. OR ("5778167").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/02/24 18:40
S11 2	2	("6516425").PN.	US-PGPUB; USPAT; USOCR; JPO; DERWENT; IBM_TDB	OR	OFF	2006/02/24 18:40

## EAST Search History

S11 3	2	("6976187").PN.	US-PGPUB; USPAT; USOCR; JPO; DERWENT; IBM_TDB	OR	OFF	2006/02/24 18:40
S11 4	2	("5208813").PN.	US-PGPUB; USPAT; USOCR; JPO; DERWENT; IBM_TDB	OR	OFF	2006/02/24 18:44
S11 5	2	("6154853").PN.	US-PGPUB; USPAT; USOCR; JPO; DERWENT; IBM_TDB	OR	OFF	2006/02/24 18:45
S11 6	2	("6092215").PN.	US-PGPUB; USPAT; USOCR; JPO; DERWENT; IBM_TDB	OR	OFF	2006/02/24 18:46
S11 7	2	("6079029").PN.	US-PGPUB; USPAT; USOCR; JPO; DERWENT; IBM_TDB	OR	OFF	2006/02/24 18:48
S11 8	2	("6000039").PN.	US-PGPUB; USPAT; USOCR; JPO; DERWENT; IBM_TDB	OR	OFF	2006/02/24 18:48
S11 9	2	("5701407").PN.	US-PGPUB; USPAT; USOCR; JPO; DERWENT; IBM_TDB	OR	OFF	2006/02/24 18:49
S12 0	2	("5522031").PN.	US-PGPUB; USPAT; USOCR; JPO; DERWENT; IBM_TDB	OR	OFF	2006/02/24 18:51
S12 1	2	("5321703").PN.	US-PGPUB; USPAT; USOCR; JPO; DERWENT; IBM_TDB	OR	OFF	2006/02/24 18:53
S12 2	2	("5680539").PN.	US-PGPUB; USPAT; USOCR; JPO; DERWENT; IBM_TDB	OR	OFF	2006/02/24 18:54

## EAST Search History

S12 3	2	("5258984").PN.	US-PGPUB; USPAT; USOCR; JPO; DERWENT; IBM_TDB	OR	OFF	2006/02/24 18:56
S12 4	2	("5412661").PN.	US-PGPUB; USPAT; USOCR; JPO; DERWENT; IBM_TDB	OR	OFF	2006/02/24 18:56
S12 5	2	("5951691").PN.	US-PGPUB; USPAT; USOCR; JPO; DERWENT; IBM_TDB	OR	OFF	2006/02/24 18:59
S12 6	2	("5812753").PN.	US-PGPUB; USPAT; USOCR; JPO; DERWENT; IBM_TDB	OR	OFF	2006/02/24 18:59
S12 7	2	("5961652").PN.	US-PGPUB; USPAT; USOCR; JPO; DERWENT; IBM_TDB	OR	OFF	2006/02/24 19:02
S12 8	2	("5623595").PN.	US-PGPUB; USPAT; USOCR; JPO; DERWENT; IBM_TDB	OR	OFF	2006/02/24 19:03
S12 9	2	("20050015653").PN.	US-PGPUB; USPAT; USOCR; JPO; DERWENT; IBM_TDB	OR	OFF	2006/02/24 19:04
S13 0	603	714/7.ccis.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/27 16:29
S13 1	245	714/7.ccis. and storage.ab.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/27 10:40
S13 2	200	714/7.ccis. and storage.ab.	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/27 10:40

## EAST Search History

S13 3	219	( "3588839"   "3623014"   "3771137"   "3835260"   "3866182"   "3936806"   "4020466"   "4057849"   "4084231"   "4094000"   "4124843"   "4150429"   "4161777"   "4193113"   "4204251"   "4249802"   "4342079"   "4361855"   "4368532"   "4384274"   "4396984"   "4430727"   "4453215"   "4464713"   "4523206"   "4523275"   "4530055"   "4577272"   "4594577"   "4598357"   "4608688"   "4618827"   "4634100"   "4638424"   "4686620"   "4698808"   "4707783"   "4710870"   "4726024"   "4727544"   "4736407"   "4751578"   "4755928"   "4769764"   "4771375"   "4773035"   "4779189"   "4782486"   "4783834"   "4785472"   "4797750"   "4805106"   "4807186"   "4814592"   "4823333"   "4831558"   "4837680"   "4841475"   "4849978"   "4862411"   "4866611"   "4879718"   "4916605"   "4949187"   "4958270"   "4959774"   "4960031"   "4974156"   "4985695"   "5003382"   "5007053"   "5016876"   "5029199"   "5051887"   "5060142"   "5060185"   "5072368"   "5083271"   "5087968"   "5088021"   "5089958"   "5093787"   "5097439"   "5099485"   "5101492"   "5109492"   "5123099"   "5127048"   "5132787"   "5134711"   "5140592"   "5146576"   "5146605"   "5155814"   "5155835"   "5155845"   "5157663"   "5157770"   "5159671"   "5170471"   "5170480"   "5175837"   "5175839"   "5185864"   "5185884"   "5201053"   "5202887"   "5206939"   "5210865"   "5212772"   "5212784"   "5235601"   "5235687"   "5235690"   "5235692"   "5239637"   "5239659"   "5257144"   "5263154"   "5269011"   "5274645"   "5276867"   "5276871"   "5285451"   "5307481").PN. OR ("5313664"   "5317731"   "5321826"   "5335352"   "5341493"   "5343477"   "5357509"   "5367698"   "5375232"   "5377342"   "5379412"   "5381539"   "5392390"   "5404500"   "5404508"   "5410667"   "5412668"   "5428796"   "5432922"   "5434994"   "5435004"   "5437022"   "5440727"   "5446872"   "5450577"   "5459857"   "5463752"   "5469503"   "5473776"   "5479654"   "5495601"   "5495606"   "5497483"   "5502811"   "5504888"   "5506986"   "5522031"   "5526484"   "5535381"   "5537533"   "5537585"   "5544345"   "5544347"   "5555371"   "5574950"   "5579318"   "5584039"   "5592618"   "5592660"   "5596706"   "5613106"   "5613155"   "5615329"   "5615364"   "5625818"   "5633999"   "5649089"   "5649152"   "5673382"   "5680580"   "5680640"   "5682396"   "5682513"   "5689732"   "5692155"   "5701429"   "5721916"   "5724500"   "5734813"   "5740397"   "5742792"   "5758149"   "5764972"   "5819310"   "5835954"   "5845295"   "5852715"   "5889935"   "5901327"   "5909483"   "5978565"   "5987566"   "6035412"   "6044444"   "6052797"   "6092066"   "6101497"   "6108748"   "6484187"   "6502205").PN. OR ("6647474").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/02/27 12:17
S13 4	235	spare and 714/7.ccis.	US-PGPUB; USPAT; USOCR	OR	ON	2006/02/27 12:19

## EAST Search History

S13 5	117	write near spare	US-PGPUB; USPAT; USOCR	OR	ON	2006/02/27 12:21
S13 6	703	write near5 spare	US-PGPUB; USPAT; USOCR	OR	ON	2006/02/27 12:21
S13 7	48	S136 and S130	US-PGPUB; USPAT; USOCR	OR	ON	2006/02/27 12:21
S13 8	29	S136 and S130	USPAT; USOCR	OR	ON	2006/02/27 12:21
S13 9	13	("5208813"   "5321703"   "5390187"   "5495572"   "5522031"   "5564116"   "5649093").PN. OR ("5941993").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/02/27 12:43
S14 0	10	("5802264").URPN.	USPAT	OR	ON	2006/02/27 13:22
S14 1	16	("4899342"   "5072378"   "5124987"   "5134619"   "5155845"   "5159671").PN. OR ("5802264").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/02/27 13:24
S14 2	61	("4817035"   "4849929"   "4899342"   "4912698"   "5077736"   "5088081"   "5134619"   "5148432"   "5195100"   "5208813"   "5212784"   "5258984"   "5278838"   "5301297").PN. OR ("5357509").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/02/27 16:29
S14 3	366	714/7.ccls. and failure	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/27 16:30
S14 4	1216	failure near storage	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/27 16:30
S14 5	6336	failure near4 storage	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/27 16:30
S14 6	94	S145 and S130	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/27 17:01
S14 7	6336	S145 and714/6.ccls	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/27 17:01
S14 8	6336	S145 and714/6.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/27 17:02
S14 9	396	S145 and 714/6.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/27 17:03

## EAST Search History

S15 0	309	S145 and 714/6.ccls.	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/27 17:39
S15 1	274	S150 and write	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/27 17:40
S15 2	82174	S151 and recover\$4 or reconstruct\$4	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/27 17:40
S15 3	240	S151 and (recover\$4 or reconstruct\$4)	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/27 17:41
S15 4	214	S151 and (recover\$4 )	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/27 20:19
S15 5	2	("20050015672").PN.	US-PGPUB; USPAT; USOCR; JPO; DERWENT; IBM_TDB	OR	OFF	2006/02/28 10:02
S15 6	2	("20050015673").PN.	US-PGPUB; USPAT; USOCR; JPO; DERWENT; IBM_TDB	OR	OFF	2006/02/28 10:03
S15 7	2	("20050015653").PN.	US-PGPUB; USPAT; USOCR; JPO; DERWENT; IBM_TDB	OR	OFF	2006/02/28 16:31
S15 8	0	("synchronizingadjheads").PN.	US-PGPUB; USPAT; USOCR; JPO; DERWENT; IBM_TDB	OR	OFF	2006/02/28 16:32
S15 9	105	synchronizing adj heads	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/28 16:37
S16 0	8879	write near4 simultaneously	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/28 16:34
S16 1	1	S159 and S160	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/28 16:34

## EAST Search History

S16 2	22	synchronizing adj heads and storage	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/28 18:11
S16 3	0	inhibit adj threshold	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/28 18:12
S16 4	0	" write inhibit threshold"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/28 18:12
S16 5	0	inhibit near threshold	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/28 18:12
S16 6	39	inhibit and threshold	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/28 18:14
S16 7	212	"seek settle"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/28 18:17
S16 8	212	seek adj settle	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/28 18:15
S16 9	172	S168 and storage	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/28 18:16
S17 0	31	S169 and failure	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/28 18:16
S17 1	3	"seek settle algorithm"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/28 18:42
S17 2	64	initiate adj simultaneously	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/28 18:42
S17 3	14	initiate adj simultaneously and write	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/28 18:43

## EAST Search History

S17 4	29	initiate adj simultaneously and storage	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/28 18:43
S17 5	29	S172 and storage	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/28 18:43
S17 6	9	S175 and write	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/28 18:46
S17 7	174	synchronization adj heads	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/28 18:48
S17 8	46	S177 and storage	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/28 18:47
S17 9	52	(synchronization adj heads).ab.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/28 18:48
S18 0	1010935	storage.ab.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/28 18:49
S18 1	0	S179 and S180	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/28 18:49
S18 2	1210916	drives.ab.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/28 18:49
S18 3	1	S179 and S182	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/01 11:00
S18 4	2	("5258984").PN.	US-PGPUB; USPAT; USOCR; JPO; DERWENT; IBM_TDB	OR	OFF	2006/03/01 11:01
S18 5	2	("5412661").PN.	US-PGPUB; USPAT; USOCR; JPO; DERWENT; IBM_TDB	OR	OFF	2006/03/01 11:09

## EAST Search History

S18 6	0	"714""."7".ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/01 11:10
S18 7	608	714/7.cccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/01 11:10
S18 8	106	714/7.cccls.	US-PGPUB	OR	ON	2006/03/01 12:36
S18 9	261	707/203.cccls.	US-PGPUB	OR	ON	2006/03/01 12:43
S19 0	1376	707/203.cccls.	US-PGPUB; USPAT; USOCR; DERWENT; IBM_TDB	OR	ON	2006/03/01 12:43
S19 1	1166	writ\$4 same spares	US-PGPUB	OR	ON	2006/03/01 12:47
S19 2	1	S190 and S191	US-PGPUB	OR	ON	2006/03/01 12:46
S19 3	16422	writ\$4.ab.	US-PGPUB	OR	ON	2006/03/01 12:47
S19 4	18	S190 and S193	US-PGPUB	OR	ON	2006/03/01 12:54
S19 5	223	S190 and storage	US-PGPUB	OR	ON	2006/03/01 13:06
S19 6	0	"writing data on each spare storage"	US-PGPUB	OR	ON	2006/03/01 13:07
S19 7	17070	writing adj data	US-PGPUB	OR	ON	2006/03/01 13:08
S19 8	5	S197 same spare adj storage	US-PGPUB	OR	ON	2006/03/01 15:04
S19 9	2	("5889938").PN.	US-PGPUB; USPAT; USOCR; JPO; DERWENT; IBM_TDB	OR	OFF	2006/03/01 13:37
S20 0	2	("4464747").PN.	US-PGPUB; USPAT; USOCR; JPO; DERWENT; IBM_TDB	OR	OFF	2006/03/01 13:38
S20 1	2	("4870643").PN.	US-PGPUB; USPAT; USOCR; JPO; DERWENT; IBM_TDB	OR	OFF	2006/03/01 13:39
S20 2	118	("4870643").URPN.	USPAT	OR	ON	2006/03/01 13:42
S20 3	1	("6704838").URPN.	USPAT	OR	ON	2006/03/01 13:58
S20 4	118	("4870643").URPN.	USPAT	OR	ON	2006/03/01 14:42

## EAST Search History

S20 5	2	("6092215").PN.	US-PGPUB; USPAT; USOCR; JPO; DERWENT; IBM_TDB	OR	OFF	2006/03/01 15:03
S20 6	1	"4092732".PN.	USPAT; USOCR	OR	ON	2006/03/01 15:01
S20 7	1	"4775978".PN.	USPAT; USOCR	OR	ON	2006/03/01 15:01
S20 8	1	"4870643".PN.	USPAT; USOCR	OR	ON	2006/03/01 15:01
S20 9	1	"4914656".PN.	USPAT; USOCR	OR	ON	2006/03/01 15:02
S21 0	1	"4989206".PN.	USPAT; USOCR	OR	ON	2006/03/01 15:02
S21 1	1	"5072378".PN.	USPAT; USOCR	OR	ON	2006/03/01 15:02
S21 2	2	("5889938").PN.	US-PGPUB; USPAT; USOCR; JPO; DERWENT; IBM_TDB	OR	OFF	2006/03/01 15:10
S21 3	2	("5941993").PN.	US-PGPUB; USPAT; USOCR; JPO; DERWENT; IBM_TDB	OR	OFF	2006/03/01 15:12
S21 4	2	("6000039").PN.	US-PGPUB; USPAT; USOCR; JPO; DERWENT; IBM_TDB	OR	OFF	2006/03/01 15:12
S21 5	2	("4053752").PN.	US-PGPUB; USPAT; USOCR; JPO; DERWENT; IBM_TDB	OR	OFF	2006/03/01 15:13
S21 6	2	("4358848").PN.	US-PGPUB; USPAT; USOCR; JPO; DERWENT; IBM_TDB	OR	OFF	2006/03/01 15:14
S21 7	2	("4914656").PN.	US-PGPUB; USPAT; USOCR; JPO; DERWENT; IBM_TDB	OR	OFF	2006/03/01 15:14
S21 8	2	("4958351").PN.	US-PGPUB; USPAT; USOCR; JPO; DERWENT; IBM_TDB	OR	OFF	2006/03/01 15:15

## EAST Search History

S21 9	2	("5274799").PN.	US-PGPUB; USPAT; USOCR; JPO; DERWENT; IBM_TDB	OR	OFF	2006/03/01 15:19
S22 0	0	395/184.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/01 15:20
S22 1	2	("6161194").PN.	US-PGPUB; USPAT; USOCR; JPO; DERWENT; IBM_TDB	OR	OFF	2006/03/01 16:00
S22 2	402607	writing	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/01 16:15
S22 3	71817	writing same storage	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/01 16:18
S22 4	16831	(writing same storage).ab.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/01 16:16
S22 5	0	"wirting to each spare storeage"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/01 16:17
S22 6	0	"wirting to each spare storage"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/01 16:17
S22 7	2253865	writingwith storage	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/01 16:18
S22 8	48090	writing with storage	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/01 16:19
S22 9	0	writing with " each spare storage"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/01 16:19
S23 0	0	writing same "each spare storage"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/01 16:30

## EAST Search History

S23 1	0	writ\$4 near each	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/01 16:31
S23 2	0	write near each	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/01 16:31
S23 3	0	write near "to multiple"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/01 16:32
S23 4	0	write near "to multitude"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/01 16:36
S23 5	376	concurrent near write	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/01 16:43
S23 6	36	S235 and spare	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/01 17:01
S23 7	2	("6728851").PN.	US-PGPUB; USPAT; USOCR; JPO; DERWENT; IBM_TDB	OR	OFF	2006/03/01 17:01

## EAST Search History

S11	2	("6694453").PN.	US-PGPUB; USPAT; USOCR; JPO; DERWENT; IBM_TDB	OR	OFF	2005/11/28 15:12
S12	10	("4399538"   "4611289"   "5371873"   "5784628"   "5791790"   "6304981"   "6314502"   "6314528"   "6487521"   "6516440").PN. OR ("6694453").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/11/28 15:21
S13	618	714/15.ccIs.	US-PGPUB; USPAT; USOCR	OR	ON	2005/11/29 11:06
S14	101	S13 and printer	US-PGPUB; USPAT; USOCR	OR	ON	2005/11/28 15:22
S15	27852	printer.ab.	US-PGPUB; USPAT; USOCR	OR	ON	2005/11/28 15:22
S16	3	S13 and S15	US-PGPUB; USPAT; USOCR	OR	ON	2005/11/29 09:59
S17	2	("4399538").PN.	US-PGPUB; USPAT; USOCR; JPO; DERWENT; IBM_TDB	OR	OFF	2005/11/29 10:00
S18	2	("4611289").PN.	US-PGPUB; USPAT; USOCR; JPO; DERWENT; IBM_TDB	OR	OFF	2005/11/29 10:00
S19	2	("5371873").PN.	US-PGPUB; USPAT; USOCR; JPO; DERWENT; IBM_TDB	OR	OFF	2005/11/29 10:03
S20	2	("5784628").PN.	US-PGPUB; USPAT; USOCR; JPO; DERWENT; IBM_TDB	OR	OFF	2005/11/29 10:32
S21	2	("5791790").PN.	US-PGPUB; USPAT; USOCR; JPO; DERWENT; IBM_TDB	OR	OFF	2005/11/29 10:33
S22	2	("6304981").PN.	US-PGPUB; USPAT; USOCR; JPO; DERWENT; IBM_TDB	OR	OFF	2005/11/29 10:38

## EAST Search History

S23	2	("6314502").PN.	US-PGPUB; USPAT; USOCR; JPO; DERWENT; IBM_TDB	OR	OFF	2005/11/29 10:39
S24	2	("6314528").PN.	US-PGPUB; USPAT; USOCR; JPO; DERWENT; IBM_TDB	OR	OFF	2005/11/29 10:41
S25	2	("6787521").PN.	US-PGPUB; USPAT; USOCR; JPO; DERWENT; IBM_TDB	OR	OFF	2005/11/29 10:41
S26	2	("6487521").PN.	US-PGPUB; USPAT; USOCR; JPO; DERWENT; IBM_TDB	OR	OFF	2005/11/29 10:42
S27	2	("6516440").PN.	US-PGPUB; USPAT; USOCR; JPO; DERWENT; IBM_TDB	OR	OFF	2005/11/29 10:44
S28	285	714/22.ccis.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/11/29 10:45
S29	41	S28 and printer	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/11/29 10:45
S30	39	S28 and printer	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/11/29 10:45
S31	22778	"713".clas.	US-PGPUB; USPAT; USOCR	OR	ON	2005/11/29 11:12
S32	157	S31 and printer.ab.	US-PGPUB; USPAT; USOCR	OR	ON	2005/11/29 11:07
S33	0	713/300-325	US-PGPUB; USPAT; USOCR	OR	ON	2005/11/29 11:12
S34	68110	"713"/ (300-325).ccis.	US-PGPUB; USPAT; USOCR	OR	ON	2005/11/29 11:13
S35	369	S34 and printer.ab.	US-PGPUB; USPAT; USOCR	OR	ON	2005/11/29 11:13

## EAST Search History

S36	285	S34 and printer.ab.	USPAT; USOCR; JPO; DERWENT; IBM_TDB	OR	ON	2005/11/29 11:14
S37	7	powwer.ab.	USPAT; USOCR; JPO; DERWENT; IBM_TDB	OR	ON	2005/11/29 11:14
S38	108	pwer.ab.	USPAT; USOCR; JPO; DERWENT; IBM_TDB	OR	ON	2005/11/29 11:14
S39	1592034	power.ab.	USPAT; USOCR; JPO; DERWENT; IBM_TDB	OR	ON	2005/11/29 11:14
S40	23	S36 and S39	USPAT; USOCR; JPO; DERWENT; IBM_TDB	OR	ON	2005/11/29 11:29
S41	1550	motegi	USPAT; USOCR; JPO; DERWENT; IBM_TDB	OR	ON	2005/11/29 11:34
S42	954	motegi.in.	USPAT; USOCR; JPO; DERWENT; IBM_TDB	OR	ON	2005/11/29 11:35
S43	67	motegi.in. and printer	USPAT; USOCR; JPO; DERWENT; IBM_TDB	OR	ON	2005/11/29 11:36
S44	44846	(akihiko motegi).in.	USPAT; USOCR; JPO; DERWENT; IBM_TDB	OR	ON	2005/11/29 11:37
S45	0	("akihiko motegi").in.	USPAT; USOCR; JPO; DERWENT; IBM_TDB	OR	ON	2005/11/29 11:37
S46	0	(akihiko adj motegi).in.	USPAT; USOCR; JPO; DERWENT; IBM_TDB	OR	ON	2005/11/29 11:37
S47	0	(akihiko adj motegi).in.	US-PGPUB; USPAT; USOCR; JPO; DERWENT; IBM_TDB	OR	ON	2005/11/29 11:38

## EAST Search History

S48	90	( motegi adj akihiko).in.	US-PGPUB; USPAT; USOCR; JPO; DERWENT; IBM_TDB	OR	ON	2005/11/29 11:38
S49	88	( motegi adj akihiko).in.	USPAT; USOCR; JPO; DERWENT; IBM_TDB	OR	ON	2005/11/29 12:11
S50	0	"358.clas"	USPAT; USOCR; JPO; DERWENT; IBM_TDB	OR	ON	2005/11/29 12:11
S51	39212	"358".clas.	USPAT; USOCR; JPO; DERWENT; IBM_TDB	OR	ON	2005/11/29 12:12
S52	1270	S51 and (printer near S20 power).ab.	USPAT; USOCR; JPO; DERWENT; IBM_TDB	OR	ON	2005/11/29 12:17
S53	365	S52 and (failure or problem or shutdown)	USPAT; USOCR; JPO; DERWENT; IBM_TDB	OR	ON	2005/11/29 13:04
S54	2	("20040153759").PN.	US-PGPUB; USPAT; USOCR; JPO; DERWENT; IBM_TDB	OR	OFF	2005/11/29 14:24
S55	2	("0664453").PN.	US-PGPUB; USPAT; USOCR; JPO; DERWENT; IBM_TDB	OR	OFF	2005/11/29 14:24
S56	2	("6694453").PN.	US-PGPUB; USPAT; USOCR; JPO; DERWENT; IBM_TDB	OR	OFF	2005/11/29 14:24
S57	2	("6694453").PN.	US-PGPUB; USPAT; USOCR; JPO; DERWENT; IBM_TDB	OR	OFF	2005/12/07 09:58
S58	88906	"399".clas.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/12/07 11:58

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
		'writing adj data" 'writing adj data" same "spare storage" (stor\$4 same update\$3 or modif\$4 or verision\$4 or delet\$4 or add \$3 or writ\$4 ) same ( re-construct\$4 or reconstruct\$4) same (validat\$4 or verify\$4 or confirm\$4 or authenticat\$4) 707/203.ccls. and (stor\$4 same update\$3 or modif\$4 or verision\$4 or delet\$4 or add \$3 or writ\$4 ) same ( re-construct\$4 or reconstruct\$4) same (validat\$4 or verify\$4 or confirm\$4 or authenticat\$4) ("714.7.ccls.").PN. S169 with select\$4  (write near \$4 spare) and 714/7.ccls.	US-PGPUB US-PGPUB US-PGPUB US-PGPUB US-PGPUB	OR OR OR OR OR	ON ON ON ON OFF	2006/03/01 13:08 2006/03/01 13:08 2006/03/01 12:46 2006/03/01 12:43 2006/03/01 11:10
S1	0	"714""."24".ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/28 18:15
S2	335	714/24.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/27 12:20
S3	321	714/24.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/02/27 10:39
S4	513030	printers	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/11/28 10:19
S5	537422	S2 an S4	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/11/28 12:11
S6	35	S2 and S4	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/11/28 12:11
S7	3	("4855767"   "5055886").PN. OR ("5729268").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/11/28 12:23
S8	16	("4488303"   "4499581"   "4598355"   "4644541"   "4745542"   "4812677"   "4835761"   "4868817").PN. OR ("5068853").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/11/28 15:11
S9	2	"6694453"	US-PGPUB; USPAT; USOCR	OR	ON	2005/11/28 15:11
S10	0	("2004/0084971").URPN.	USPAT	OR	ON	2005/11/28 15:12